

CLAIMS:

47/10/2006
Sub 6
1. A method of manufacturing a coil for a magnet comprising: providing a curved former; and disposing an electrical conductor around the former;

wherein the step of providing the curved former comprises the steps of:

- a) manufacturing the former in a flat or substantially flat shape; and
- b) bending the former into a curved shape.

Sub 22
2. A method as claimed in claim 1 wherein the former is manufactured from a flexible material.

Sub A17
3. A method as claimed in claim 1 or 2 wherein the former is manufactured from a resilient material.

4. A method as claimed in claim 1, 2 or 3 wherein the flat or substantially flat former is formed by moulding.

5. A method as claimed in any preceding claim and further comprising the step of securing the former after the step of bending the former.

6. A method as claimed in any preceding claim wherein the former comprises a groove and the electrical conductor is disposed in the groove.

7. A coil for a magnet, the coil comprising a resilient former and an electrical conductor disposed around the former.

8. A coil as claimed in claim 7 wherein the former is made of an elastomeric material.

Sub A27
9. A coil as claimed in claim 7 or 8 wherein a groove is defined in the former and the electrical conductor is disposed in the groove.

11. An MRI system comprising a coil as defined in any of claims 7 to 10, the coil constituting a gradient coil of the MRI system.

A method of manufacturing a coil for a magnet comprising the step of disposing electrical conductor around a resilient former.

Done JAF 16
 29/5/2015
 4/12/2015
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